

WE CLAIM:

1. An engine mounting structure of a low floor type vehicle comprising:  
a longitudinal V-type engine mounted below a low floor, and  
a body frame comprising a head pipe,  
wherein the longitudinal V-type engine further comprises a front cylinder and a rear cylinder,  
wherein the banking angle between the front cylinder and the rear cylinder of the V-type engine is approximately equal to or exceeding  $90^\circ$ , and  
the V-type engine is arranged with the bisector of the banking angle directed toward the head pipe of the body frame.
2. The engine mounting structure of claim 1, wherein  
the V-type engine further comprises a crankcase, and  
the body frame further comprises  
a pair of right and left upper frames extended backward and downward from the head pipe, and  
a pair of right and left down frames extended downward from the head pipe and coupled to the front of the crankcase of the V-type engine;  
wherein the body frame is a diamond type frame suspending the V-type engine.
3. The engine mounting structure of claim 2, wherein  
the front cylinder extends in front of the pair of right and left down frames.
4. The engine mounting structure of claim 2, wherein  
the rear cylinder is between the right and left upper frames.
5. The engine mounting structure of claim 1, further comprising  
a fuel tank, and

an air intake system,  
wherein the air intake system is between the cylinders and the fuel tank is  
arranged above the intake system.

6. The engine mounting structure of claim 1, wherein the banking angle  
between the front cylinder and the rear cylinder of the V-type engine is equal to  $90^\circ$ .

7. The engine mounting structure of claim 1, wherein the engine adds to the  
strength of the frame.

8. A low floor type vehicle comprising:  
a diamond type frame, and  
means for lowering an engine below a low floor of the low floor type vehicle.

9. The low floor type vehicle of claim 8,  
wherein the means for lowering an engine comprises a longitudinal V-type engine  
with a front cylinder and a rear cylinder and wherein the banking angle between the front  
cylinder and the rear cylinder of the V-type engine is approximately equal to or  
exceeding  $90^\circ$ .

10. The low floor type vehicle of claim 9, further comprising:  
an air intake system,  
wherein the air intake system is between the cylinders.

11. The low floor type vehicle of claim 9, wherein the longitudinal V-type  
engine is suspended by the diamond type frame.